

approved alternative monitoring method under subpart E of this part, except as provided in paragraph (d) of this section; or

(2) A valid, quality-assured hour of flow data (in scfh) has not been measured and recorded for an affected unit from a certified flow monitor, or by an approved alternative monitoring system under subpart E of this part; or

(3) A valid, quality-assured hour of NO_x emission rate data (in lb/mmBtu) has not been measured and recorded for an affected unit by a certified NO_x continuous emission monitoring system, or by an approved alternative monitoring system under subpart E of this part; or

(4) A valid, quality-assured hour of CO₂ concentration data (in percent CO₂, or percent O₂ converted to percent CO₂ using the procedures in appendix F of this part) has not been measured and recorded for an affected unit by a certified CO₂ continuous emission monitoring system, or by an approved alternative monitoring method under subpart E of this part.

(b) However, the owner or operator shall have no need to provide substitute data according to the missing data procedures in this subpart if the owner or operator uses SO₂ or CO₂ (or O₂) concentration, flow, or NO_x emission rate data recorded from either a certified redundant or non-redundant backup continuous emission monitor or a backup reference method monitoring system when the certified primary monitor is not operating or out-of-control. A redundant or non-redundant backup continuous emission monitoring system must have been certified according to the procedures in § 75.20 prior to the missing data period. Non-redundant backup continuous emission monitoring system must pass a linearity check (for pollutant concentration monitors) or a calibration error test (for flow monitors) prior to each period of use of the certified backup monitor for recording and reporting emissions. Use of a certified backup monitoring system or backup reference method monitoring system is optional and at the discretion of the owner or operator.

(c) When the certified primary monitor is not operating or out-of-control, then data recorded for an affected unit

from a certified backup continuous emission monitor or backup reference method monitoring system are used, as if such data were from the certified primary monitor, to calculate monitor data availability in § 75.32, and to provide the quality-assured data used in the missing data procedures in §§ 75.31 and 75.33, such as the "hour after" value.

(d) On or after January 1, 1997, the owner or operator shall comply with the provisions of this paragraph. Prior to January 1, 1997, the owner or operator may comply with the provisions of this paragraph (d) if also complying with the provisions of § 75.11(e).

(1) Whenever a unit with an SO₂ continuous emission monitoring system combusts only pipeline natural gas and the owner or operator is using the procedures in section 7 of appendix F of this part to determine SO₂ mass emissions pursuant to § 75.11(e), the owner or operator shall substitute for missing data from a flow monitoring system, CO₂ diluent monitor or O₂ diluent monitor using the missing data substitution procedures in § 75.36.

(2) Whenever a unit with an SO₂ continuous emission monitoring system combusts gas with a sulfur content no greater than natural gas or pipeline natural gas and the owner or operator is using the gas sampling and analysis and fuel flow procedures in appendix D of this part, to determine SO₂ mass emissions pursuant to § 75.11(e), the owner or operator shall substitute for missing data using the missing data procedures in appendix D of this part.

(3) The owner or operator shall not use historical data from an SO₂ pollutant concentration monitor to account for SO₂ emissions due to combustion of gas during missing data periods. In addition, the owner or operator shall not include hours when the unit combusts only natural gas (or a gaseous fuel with sulfur content no greater than that of natural gas) in the availability calculations in § 75.32, nor in the calculations of substitute data using the procedures of either § 75.31 or § 75.33. For the purpose of the missing data and availability procedures for SO₂ pollutant concentration monitors in §§ 75.31 through 75.33 only, all hours during which the unit combusts only natural gas, or a

gaseous fuel with a sulfur content no greater than natural gas, shall be excluded from the definition of "monitor operating hour," "quality-assured monitor operating hour," "unit operating hour," and "unit operating day."

(e) On or after January 1, 1997, the owner or operator shall comply with the provisions of this paragraph. Prior to January 1, 1997, the owner or operator may comply with the provisions of this paragraph.

(1) For monitoring of emissions at a unit with multiple stacks or a bypass stack, include only those hours when emissions are passing through the stack or duct in the definitions of "unit operating hour" and "quality-assured monitor operating hour" for purposes of applying the missing data and availability procedures in §§ 75.31 through 75.36 to the monitoring system on that stack or duct.

(2) If the proportion of flow going to each stack from a unit with multiple stacks or the proportion of flow going to a bypass stack has changed during the previous 2,160 hours when emissions passed through that stack, then record the maximum flow rate recorded by the flow monitoring system at the corresponding load range during the previous 2,160 hours of quality-assured monitor data when emissions passed through that stack, instead of the value calculated using the missing data substitution procedures in § 75.31 or § 75.33.

[60 FR 26528, 26566, May 17, 1995]

EFFECTIVE DATE NOTE: At 60 FR 26560, 26566, May 17, 1995, § 75.30(d) and (e) were temporarily added and are effective from July 17, 1995 through December 31, 1996.

§ 75.31 Initial missing data procedures.

(a) During the first 720 quality-assured monitor operating hours following initial certification (i.e., following the date and time of completion of successful certification tests), of the SO₂ and CO₂ (or O₂) pollutant concentration monitor and during the first 2,160 quality-assured monitor operating hours following initial certification of the flow monitor and NO_x continuous emission monitoring system(s), the owner or operator shall provide substitute data required under this subpart according to the procedures in para-

graphs (b) and (c) of this section. The owner or operator of a unit shall use these procedures for no longer than three years (26,280 clock hours) following initial certification.

(b) SO₂ or CO₂ (or O₂) concentration data. For each hour of missing SO₂ or CO₂ concentration data (including CO₂ data converted from O₂ data using the procedures in appendix F of this part) or O₂ concentration data used to calculate heat input, the owner or operator shall calculate the substitute data as follows:

(1) Whenever prior quality-assured data exist, the owner or operator shall substitute, by means of the data acquisition and handling system, the average of the hourly SO₂ or CO₂ (or O₂) concentrations recorded for an affected unit by a certified monitor for the unit operating hour immediately before and the unit operating hour immediately after the missing data period for each hour of missing data.

(2) Whenever no prior quality-assured SO₂ or CO₂ (or O₂) concentration data exist, the owner or operator shall substitute the maximum potential concentration for SO₂ or CO₂ (or minimum O₂ concentration, for determination of heat input), as specified in section 2.1 of appendix A of this part, for each hour of missing data.

(c) *Volumetric flow and NO_x emission rate data.* For each hour of missing volumetric flow or NO_x emission rate data;

(1) Whenever prior quality-assured data exist in the load range corresponding to the operating load at the time the missing data period occurred, the owner or operator shall substitute, by means of the automated data acquisition and handling system, the average hourly flow rate (or NO_x emission rate) recorded for the affected unit by a certified flow monitor (or a certified NO_x continuous emission monitoring system). The flow rate (or NO_x emission rate) shall be calculated from the corresponding load range as determined using the procedure in appendix C of this part.

(2) Whenever no prior quality-assured flow or NO_x emission rate data exist for the corresponding load range, the owner or operator shall substitute the average hourly flow rate or the average